

Surge arrester

2-electrode arrester

Series/Type: S30-A420X

Ordering code: B88069X9311T203

Version/Date: Issue 02 / 2013-09-17

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2-electrode arrester S30-A420X

Features

- Extremely small size
- Fast response time
- Stable performance over life
- Very low capacitance
- High insulation resistance
- Excellent SMD handling
- RoHS-compatible

Applications

- PCI cards
- Modem
- Splitter
- Line cards
- Applications with limited space

Electrical specifications

DC spark-over voltage 1) 2)		420 ± 25	V %	
Impulse spark-over voltage at 100 V/µs - for 99% of measured values - typical values of distribution			V	
at 1 kV/μs	for 99% of measured valuetypical values of distribution		V	
Service life 3)				
10 operation	ons 50 Hz, 1	l s 2.5	Α	
300 operation	ons 8/20 μs	100	Α	
10 operations [5x (+) & 5x (-)] 8/20 μs		2	kA	
100 operations [50x (+) & 50x (-)] 10/1000 μs) μs 10	Α	
Insulation resistance at 100 V_{DC}		> 1	$G\Omega$	
Capacitance at 1 MHz		< 0.8	pF	
Arc voltage at 1 A Glow to arc transition current Glow voltage		~ 10 < 0.4 ~ 55	V A V	
Weight		~ 0.2	g	
Operation and storage temperature		-40 +90	°C	
Climatic category (IEC 60068-1)		40/ 90/ 21	40/ 90/ 21	
Marking, black positive			L - Nominal voltage (L ≙ 420 V)	

¹⁾ At delivery AQL 0.65 level II, DIN ISO 2859

Terms and current waveforms in accordance with: ITU-T Rec. K. 12; IEC 61643-21, IEC 61643-311 and IEC 61663-2.

²⁾ In ionized mode

³⁾ Tests according to ITU-T Rec. K. 12 and UL 497B

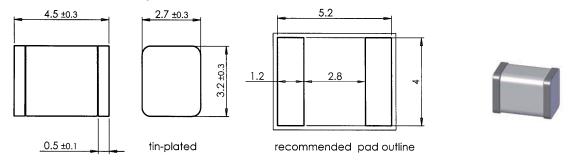


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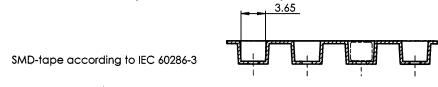
S30-A420X

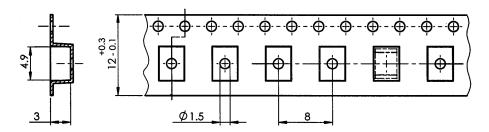
Dimensional drawing in mm



Ordering code and packing advice

B88069X9311**T203** = tape and reel with 2000 pcs





Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in the event of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In the event of overload, the lead contacts may fail or the component may be destroyed.
- Surge arresters must be handled with care and must not be dropped.
- Damaged surge arresters must not be re-used.

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